0	Taarini Ananya Homeanork 3
1)	Octal unassigned: 62 and 12. Octal is first converted to defined 62 -> 6-8 + 2 = 50, 12 -> 1.8+2 = 10
	62 (50)-12 (10) = 500 decimal then converted to browny is 50 -> 110 010
	Step 0 Mithal relies 001010 x 110010 -> 00000000000
	3/10/ 0000 × 110010 -> 00000000000
	001010 x 010100 - 0000000000000000000000
	and x allano - 00000000000
	Stp2 000/01 x 001/00/00 -> 000001/00/00
	au 101 x 6/1001000 -> 000001100100
	600010 x 011001000 -7 100 001100100
	SEP3 0000 × 011001000 -> 600001100100
	000000 × 110010000 => 000001100100
	000001 × 110010000 > 000 001100100
	Stp4 000001 x 600110010000 -> 600111/10100
	000001×00110000 - 00011111010
	CODON X 001100100000 -7- 600111110 100
	Skg5 00000 x 001100100000 > 00011110100
	000000 x 01100100000 > 000111100 100
	000 000 × 01100 000 000 - 000 111110 000
	8tp 6 000000 x 1100000000000000000000000000
	000000 × 1100000000 -> 0001111000
	000000 x 110010000 C- COD CUO 00010 x 000000
	62,×12,0= 50,×100, = 110010× 601010=0001111101002
	To multiply these two octal values, they are first converted to chimal issue
	[bist #] x 8 + [acond #]. This resulted in 50 and 100. Then, they values and
(1)	converted to binary of 110010 and 001010. Finally, the nullphound 15
64	Shidled ledt and multiplier shidled right for each sky and my to led.
	equality 000 111110 100,0, or 500 chanal, 744 octal.

The best way to calalake 0233 x 0.55 vong shifts and add subtreets
while assuming buth into and 8-bit signed interes is to first
convert buth her removes to drived. Next, they med to be converted to Smary and split up with there exponents. The nullpliand is they shifted according to the multipliers' exponents. The natts are added In at the final value. Her to dunal: 0x33-7 (3x16')+(3x16')= 48+3=51 0x55-7 (5x16')+(5x160)=85 Dunol to Sinory: 51 -> 110011 -> 2°(32) + 2°(16) + 2'(2) + 2°(1) Shift: (85 x 32) + (85 x 16) + (85 x 2) + (65 x 1) = Add: 2720+1360+170+85=4335 Convert: 4335, -> 0x 10 EF (hex) In order to had if the bit pathen 0x0000000 represents a flooking point number using the IEEE 754 Standards it must to be come to to Sinary frot. Then, the binary needs to split for the sign, exponent and mention. Mixt, these values can be put together using the 154 Sumula: (-1) x F x 2 5 L'ex to dismal: (-> 1100 0-0000 = 0000 IEEE 754 standard: Sign: 0-1 positive export: 60011000, mantissa: 0000 0000 0000 0000 0000 (xpopert: 60011000 = 24 - 127 = -103 (-1)0 + 1.0 × 2 (-103) = 9,86 × 10-32 Mrs, after converting and calculating, Oxcowood is a fleating point number interpreted as a 32-bit IEEE 754 Standard Equaling 9.86x 10-32

	5. To write down the bearg representation and the decimal number 63.25 assum. The IEEE 154 double precision downat, 63.25 mills to be converted to be somewhat to be anary, normalized, clinically the IEEE 154's fields, and represented as a whole. Downal to bearing 63 -7 14111 and - 25 -> 0.01 = 1441.01.
	Dunal to binary: 63, -> 11111, and . 25, -> 0.01, = 11111.012 Normalize: 1.xxxxxx . 2° -> 1.111101x 25 Dixclop bilds: Manhissa = 1111101 Exponent: 5 Sign: D(pahis) 5+17 = 132 -> 100,00100 exponent IEEE 754 doble 5tandard: 0 0000000000000000000000000000000000
3.	To calculate the octal values of 74 by 21, they biot need to be concept to decimal, then binary. Next, the values need to be shifted leafaland according to the table
4 4 4	Befolio chianol - 7.8+4=60 2.8+1=17 Defolio biograp - 60 = 11100 17=10001 Step Gratient Brison Remainder Step 0 000 000 010 001000 000 - 000000111 100 1 000 000 010 001000 000
(4) (4) (4) (6) (6)	\(\text{DON 000} \) \(ON 100 000 \rightarrow
	3 000000 000 100 0 1000 0 -> 11 1 100 101 100 000000 000 100 0010 000 -> 0000 00 111 100 4 000000 000 010 001 000 -> 11 1100 110 100 0000000 000 010 001 000 -> 11 1100 110 100
	000000 000 001000 100 000 000 111 100

